

Program Structure and Requirements

The interdisciplinary CLIMASP courses consist of core courses, elective courses and a required capstone course in three areas, namely:

Area- A: Climate Change, Environment and Society

Area-B: Climate Change, Economics and PublicPolicy

Area-C: Climate Change, Science and Technology

Therefore, the student who wishes to benefit from the CLIMASP minor program needs to register and pass the following courses:

1. Three core courses (9 Credit Hours), one from each of the Areas (A, B 1) and C).
2. Capstone course (6 Credit Hours), which provides practice or training 2) in the field of climate change and environmental sustainability. A combination of 2 such courses with a total of 6 Credit Hours is accepted as capstone course.
3. Elective Courses (15 Credit Hours), which can be taken by student from 3) his major B.Sc. program, or from outside his department.

Note: 3 Credit hours are equivalent to 5 ECTS.

The courses are selected from the existing JU programs curricula to produce an interdisciplinary program in CLIMASP with minimum extra courses required by students from the Departments participating in the program.

I. Core Courses:

Table (1): All students of CLIMASP minor should study the following common courses

Area	Course Code	Course Title	Prerequisite	Department	Faculty	Course Category
Environment and Society	2305100	Introduction to Sociology	None	Sociology	Arts	University Elective
Economics and Public Policy	1607100	International Political Economy *	None	Business Economy	Business	University Elective
Science and Technology	0305100	Environment	None	Geology	Science	University Elective

* The students of the School of Business will take Environmental Economics (1607327) instead of International Political Economy.

II. Elective Courses:

Table (2): Courses from the Department of Curriculum and Instruction / Faculty of Educational Sciences:

Course Code	Course Title	Prerequisite	Course Category
0802213	Basic Mathematical concepts and their teaching methods (1)	None	Dept. Core.
0802303	Designing and Producing Instructional Materials	None	Dept. Core
0802313	Basic Mathematical concepts and their teaching methods (2)	None	Dept. Core.
0802317	Child Computerized program	None	Dept. Core
0802391	Instructional Materials for Children	None	Dept. Core
0802414	Child Environmental Education	None	Dept. Core

Table (3): Courses from the Department of Business Economics/ The School of Business:

Course Code	Course Title	Prerequisite	Course Category
1607225	Industrial Economics	1607110	Dept. Core.
1607330	International Trade Theory	1607110	Dept. Core
1607411	Contemporary Economic Issues	1607111	Dept. Core.
1607415	Economic development	1607111	Dept. Core
1607421	Managerial Economics	1607110	Dept. Core.
1607431	International Finance	1607111	Dept. Core
1607327	Environmental Economics	None	Dept. Elective

Table (4): Courses from the Department of Mechanical Engineering / Faculty of Engineering and Technology:

Course Code	Course Title	Prerequisite	Course Category
0904445	Air Conditioning (1)	0904441, 0904342	Dept. Core
0904443	Thermal Power Plants	0904342	Dept. Elective
0904554	Solar Energy	0905441	Dept. Elective
0904453	Refrigeration Systems	0904342	Dept. Elective
0904459	Energy Conversion	0904342	Dept. Elective
0904545	Internal Combustion Engines	0904342	Dept. Core

Table (5): Courses from the Department of Chemical Engineering / Faculty of Engineering and Technology:

Course Code	Course Title	Prerequisite	Course Category
0905371	Fuel and Energy	0905343	Dept. Elective
0905471	Energy Conservation and Management	0905371	Dept. Elective
0905473	Environmental Engineering	0905342	Dept. Core
0905474	Waste Water Treatment	0905473	Dept. Elective
0905475	Air Pollution	0905421	Dept. Elective
0905573	Solid Waste Management	0905473	Dept. Elective
0905542	Water Desalination	0905442	Dept. Elective

III. Capstone Courses for the Three Areas

Course Code	Course Title	Prerequisite	Department / Faculty	Course Category
0832419	Practicum (2) for Classroom Teacher	0802319	Curriculum and Instruction / Faculty of Educational Sciences	Dept. Core
0832499	Practicum (2) Child Education	0802399	Curriculum and Instruction/ Faculty of Educational Sciences	Dept. Core
1600150	Community Service	None	Business Economics / Business	Uni. Requirement
1607311	Scientific Research in Economics	1607150	Business Economics	Dept. Core
0904599	(Final Year) Project	Completing 124 C.H.	Mechanical Engineering	Dept. Core
0905599	(Final Year) Project	Completing 124 C.H.	Chemical Engineering	Dept. Core
0900500	Practical Training	Completing 120 C.H.	Mechanical and Chemical Engineering	College Requirement